



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
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Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.
1736-000001/REC	10/643,673
APPLICANT	
HYON et al.	
FILING DATE	GROUP
August 19, 2003	1711

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	SB	3,563,870	Feb. 16, 1971	Tung et al.	/	
2.	SB	4,586,995	May 6, 1986	Randall et al.	—	
3.	SB	4,668,577	May 26, 1987	Ohta et al.	—	
4.	SB	5,160,464	Nov. 3, 1992	Ward et al.	—	

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	SB	CA 1257745	Jul. 18, 1989	Canada	—	N/A	

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Ref. Desig.	Examiner's Initials	
1.	SB	Bhateja et al. "Radiation-Induced Crystallinity Changes in Linear Polyethylene," <i>Journal of Polymer Science: Polymer Physics Edition</i> , Vol. 21 (1983) p. 523-536.
2.		Bhateja, S.K. "Radiation-Induced Crystallinity Changes in Linear Polyethylene: Influence of Aging," <i>Journal of Applied Polymer Science</i> , Vol. 28 (1983) p. 861-872.
3.		Muratoglu et al. "A Novel Method of Cross-Linking Ultra-High-Molecular-Weight Polyethylene to Improve Wear, Reduce Oxidation, and Retain Mechanical Properties," <i>The Journal of Arthroplasty</i> , Vol. 16, No. 2 (2001) p. 149-160.
4.		Shinde et al., "Irradiation of Ultrahigh-Molecular-Weight Polyethylene," <i>Journal of Polymer Science: Polymer Physics Edition</i> , Vol. 23 (1985) p. 1681-1689.
5.	SB	Streicher, R.M. "UHMW-Polyethylen als Werkstoff für artikulierende Komponenten von Gelenkendoprothesen (UHMW Polyethylene Used as a Material for the Articulating Components of Endoprotheses)," <i>Biomed. Technik</i> , Vol. 38, No. 12 (1993) p. 303-313. (See English Abstract)

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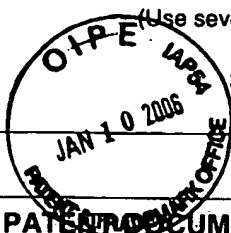
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2.		5,037,928	08/06/1991	Li et al.	—	
3.		5,478,906	12/26/1995	Howard, Jr.	—	
4.		5,508,319	04/16/1996	DeNicola, Jr. et al.	—	
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10.		6,664,308	12/16/2003	Sun et al.	—	
11.		2004/0208841	10/21/2004	Salovey et al.	—	
12.		6,818,020	11/16/2004	Sun et al.	—	
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3.		Bhateja et al. "Radiation-Induced Crystallinity Changes in Polyethylene Blends" Journal of Materials Science. Vol. 20 (1985) p. 2839-2845.
4.	SB	Bhateja, S. "Radiation-Induced Crystallinity Changes in Pressure-Crystallized Ultrahigh Molecular Weight Polyethylene" J. Macromol. Sci. Phys. B22(1) (1983) p. 159-168.

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5.	SB	Bowman, J. "The Processing and Properties of γ -Irradiated HDPE Granules" Intern. Polymer Processing III. (1988) p. 211-220.
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33.		Patel, G. "Acceleration of Radiation-Induced Crosslinking in Polyethylene by Diacetylenes" Radiat. Phys. Chem. Vol. 14 (1979) p. 729-735.
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36.		Salovey et al. "Irradiation of Ultra High Molecular Weight Polyethylene" Polymer Preprints. Vol. 26, No. 1 (1985) p. 118-119
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40.		Shen et al. "The Friction and Wear Behavior of Irradiated Very High Molecular Weight Polyethylene" Wear. Vol. 30 (1974) p. 349-364.
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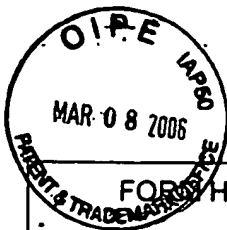
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50.		Zhao et al. "Effect of Irradiation on Crystallinity and Mechanical Properties of Ultrahigh Molecular Weight Polyethylene" <i>Journal of Applied Polymer Science</i> . Vol. 50 (1993) p. 1797-1801.
51.		Zoepfl et al. "Differential Scanning Calorimetry Studies of Irradiated Polyethylene: I. Melting Temperatures and Fusion Endotherms" <i>Journal of Polymer Science: Polymer Chemistry Edition</i> . Vol. 22 (1984) p. 2017-2032.
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1.	SB	4,390,666	06/28/1983	Moriguchi et al.	_____	
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